```
DDDDDDDDDDDD        CCCCCCCCCCCC  LLL
DDDDDDDDDDDDD       CCCCCCCCCCCCC LLL
DDDDDDDDDDDDD       CCCCCCCCCCCCC LLL
DDD          DDD  CCC              LLL
DDD          DDD  CCC              LLL
DDD          DDD  CCC              LLL
DDD          DDD  CCC              LLL
DDD          DDD  CCC              LLL
DDD          DDD  CCC              LLL
DDD          DDD  CCC              LLL
DDD          DDD  CCC              LLL
DDD          DDD  CCC              LLL
DDD          DDD  CCC              LLL
DDD          DDD  CCC              LLL
DDD          DDD  CCC              LLL
DDD          DDD  CCC              LLL
DDD          DDD  CCC              LLL
DDDDDDDDDDDDD       CCCCCCCCCCCCC LLLLLLLLLLLLLLL
DDDDDDDDDDDD        CCCCCCCCCCCC  LLLLLLLLLLLLLLL
DDDDDDDDDDDDD       CCCCCCCCCCCCC LLLLLLLLLLLLLLL
DDDDDDDDDDDD        CCCCCCCCCCCC  LLLLLLLLLLLLLLL
```

**FILE**ID**CANCEL

```
  CCCCCCCC    AAAAAA    NN      NN    CCCCCCCC  EEEEEEEEEE  LL
  CCCCCCCC    AAAAAA    NN      NN    CCCCCCCC  EEEEEEEEEE  LL
CC           AA      AA  NN      NN  CC          EE          LL
CC           AA      AA  NN      NN  CC          EE          LL
CC           AA      AA  NNNN    NN  CC          EE          LL
CC           AA      AA  NNNN    NN  CC          EE          LL
CC           AA      AA  NN  NN  NN  CC          EEEEEEEE    LL
CC           AA      AA  NN  NN  NN  CC          EEEEEEEE    LL
CC           AAAAAAAAAA  NN    NNNN  CC          EE          LL
CC           AAAAAAAAAA  NN    NNNN  CC          EE          LL
CC           AA      AA  NN      NN  CC          EE          LL                ....
CC           AA      AA  NN      NN  CC          EE          LL                ....
  CCCCCCCC   AA      AA  NN      NN    CCCCCCCC  EEEEEEEEEE  LLLLLLLLLL        ....
  CCCCCCCC   AA      AA  NN      NN    CCCCCCCC  EEEEEEEEEE  LLLLLLLLLL        ....

LL             IIIIII      SSSSSSSS
LL             IIIIII      SSSSSSSS
LL               II      SS
LL               II      SS
LL               II      SS
LL               II      SS
LL               II        SSSSSS
LL               II        SSSSSS
LL               II              SS
LL               II              SS
LL               II              SS
LL               II              SS
LLLLLLLLLL     IIIIII    SSSSSSSS
LLLLLLLLLL     IIIIII    SSSSSSSS
```

Table of contents

```
                        0000     1          .TITLE  CANCEL - CANCEL SCHEDULED WAKEUPS
                        0000     2          .IDENT  'V04-000'
                        0000     3
                        0000     4 ;
                        0000     5 ;*****************************************************************************
                        0000     6 ;*                                                                           *
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                        0000    24 ;*                                                                           *
                        0000    25 ;*                                                                           *
                        0000    26 ;*****************************************************************************
                        0000    27 ;
                        0000    28 ; ABSTRACT:
                        0000    29 ;
                        0000    30 ;       Cancel scheduled wakeup requests for a process
                        0000    31 ;
                        0000    32 ; AUTHOR:
                        0000    33 ;
                        0000    34 ;       Peter George,  August 1982
                        0000    35 ;
                        0000    36 ; MODIFIED BY:
                        0000    37 ;
                        0000    38 ;---
                        0000    39
                        0000    40 ;
                        0000    41 ; MACRO LIBRARY CALLS
                        0000    42 ;
                        0000    43          PTRDEF
                        0000    44          $CLIMSGDEF                          ;DEFINE CLI RELATED ERRORS
                        0000    45
                        0000    46 ;
                        0000    47 ; LOCAL DATA
                        0000    48 ;
                        00000000 49          .PSECT  DCL$ZCODE,BYTE,RD,NOWRT
                        0000    50 HEXTAB:                                      ;VALID HEX NUMERALS
34 35 36 37 38 39 41 42 43 44 45 46  0000    51          .ASCII  /FEDCBA9876543210/
                     30 31 32 33     000C
```

```
                     0010     53          .SBTTL  CANCEL SCHEDULED WAKEUPS
                     0010     54 ;+
                     0010     55 ; DCL$CANCEL - CANCEL SCHEDULED WAKEUP REQUESTS FOR A PROCESS
                     0010     56 ;
                     0010     57 ; THIS ROUTINE IS CALLED AS AN INTERNAL COMMAND TO EXECUTE THE CANCEL
                     0010     58 ; DCLS COMMAND.
                     0010     59 ;
                     0010     60 ; INPUTS:
                     0010     61 ;
                     0010     62 ;       R8 = ADDRESS OF SCRATCH BUFFER DESCRIPTOR.
                     0010     63 ;       R9 = ADDRESS OF SCRATCH STACK.
                     0010     64 ;       R10 = BASE ADDRESS OF COMMAND WORK AREA.
                     0010     65 ;       R11 = BASE ADDRESS OF PROCESS WORK AREA.
                     0010     66 ;
                     0010     67 ; OUTPUTS:
                     0010     68 ;
                     0010     69 ;       ALL SCHEDULED WAKEUP REQUESTS FOR THE SPECIFIED PROCESS ARE
                     0010     70 ;       CANCELLED.
                     0010     71 ;-
                     0010     72
                     0010     73 DCL$CANCEL::                                 ; CANCEL WAKEUP REQUEST
          57   D4   0010     74          CLRL    R7                          ; CLEAR PROCESS NAME
          79   D4   0012     75          CLRL    -(R9)                       ; CLEAR PID
      FFE9'    30   0014     76 10$:     BSBW    DCL$GETDVAL                 ; GET FIRST TOKEN
    55    00   D1   0017     77          CMPL    #PTR_K_COMDQUAL,R5          ; /ID QUALIFIER?
          1D   12   001A     78          BNEQ    30$                         ; NO, THEN MAYBE PARAMETER
                     001C     79
          69   D4   001C     80          CLRL    (R9)                        ; YES, ZERO PREVIOUS PID
      FFDF'    30   001E     81          BSBW    DCL$GETDVAL                 ; GET PID VALUE
    52    51   7D   0021     82          MOVQ    R1,R2                       ; SAVE THE LENGTH
                     0024     83
          52   D7   0024     84 20$:     DECL    R2                          ; GET A CHARACTER
          EC   19   0026     85          BLSS    10$                         ; BRANCH IF NONE LEFT
D3 AF     10   83   3A   0028     86          LOCC    (R3)+,#16,HEXTAB            ; IS IT A LEGIT HEX CHAR
          23   13   002D     87          BEQL    50$                         ; NO, THEN ERROR
          69   10   C4   002F     88          MULL    #16,(R9)                    ; SHIFT PREVIOUS VALUE
          69   50   C0   0032     89          ADDL    R0,(R9)                     ; ADD LATEST CHARACTER
          69   D7   0035     90          DECL    (R9)                        ; ADJUST BY ONE
          EB   11   0037     91          BRB     20$                         ; GET NEXT CHARACTER
                     0039     92
          55   03   D1   0039     93 30$:     CMPL    #PTR_K_PARAMETR,R5          ; PROCESS NAME?
          08   12   003C     94          BNEQ    40$                         ; NO, THEN MUST BE END OF LINE
          57   58   D0   003E     95          MOVL    R8,R7                       ; GET SCRATCH SPACE
          68   51   7D   0041     96          MOVQ    R1,(R8)                     ; COPY THE PROCESS NAME THERE
          CE   11   0044     97          BRB     10$                         ; ANY MORE QUALIFIERS?
                     0046     98
                     0046     99 40$:     $CANWAK_S       (R9),(R7)           ; CANCEL SCHEDULED WAKEUPS
               05   0051    100          RSB
                     0052    101
                     0052    102 50$:     STATUS  IVVALU                      ; PID SYNTAX ERROR
               05   0059    103          RSB
                     005A    104
                     005A    105          .END
```

```
CLI$_IVVALU     = 00038088
DCL$CANCEL        00000010 RG    02
DCL$GETDVAL       ******** X     02
HEXTAB            00000000 R     02
PTR_B_LEVEL       00000004
PTR_B_NUMBER      00000005
PTR_B_PARMCNT     00000006
PTR_B_VALUE       00000000
PTR_C_LENGTH      0000000C
PTR_K_COMDQUAL  = 00000000
PTR_K_LENGTH      0000000C
PTR_K_PARAMETR  = 00000003
PTR_L_DESCR       00000000
PTR_L_ENTITY      00000008
SYS$CANWAK        ******** GX    02
```

## Psect synopsis

| PSECT name | Allocation | PSECT No. | Attributes |
|---|---|---|---|
| . ABS . | 00000000 ( 0.) | 00 ( 0.) | NOPIC USR CON ABS LCL NOSHR NOEXE NORD NOWRT NOVEC BYTE |
| $ABS$ | 0000000C ( 12.) | 01 ( 1.) | NOPIC USR CON ABS LCL NOSHR EXE RD WRT NOVEC BYTE |
| DCL$ZCODE | 0000005A ( 90.) | 02 ( 2.) | NOPIC USR CON REL LCL NOSHR EXE RD NOWRT NOVEC BYTE |

## Performance indicators

| Phase | Page faults | CPU Time | Elapsed Time |
|---|---|---|---|
| Initialization | 10 | 00:00:00.10 | 00:00:01.31 |
| Command processing | 86 | 00:00:00.76 | 00:00:08.15 |
| Pass 1 | 130 | 00:00:02.66 | 00:00:10.81 |
| Symbol table sort | 0 | 00:00:00.19 | 00:00:00.72 |
| Pass 2 | 29 | 00:00:00.46 | 00:00:02.78 |
| Symbol table output | 2 | 00:00:00.02 | 00:00:00.02 |
| Psect synopsis output | 0 | 00:00:00.02 | 00:00:00.02 |
| Cross-reference output | 0 | 00:00:00.00 | 00:00:00.00 |
| Assembler run totals | 257 | 00:00:04.22 | 00:00:23.82 |

```
The working set limit was 900 pages.
10843 bytes (22 pages) of virtual memory were used to buffer the intermediate code.
There were 10 pages of symbol table space allocated to hold 191 non-local and 5 local symbols.
105 source lines were read in Pass 1, producing 13 object records in Pass 2.
15 pages of virtual memory were used to define 13 macros.
```

```
                    +---------------------------+
                    ! Macro library statistics !
                    +---------------------------+

Macro library name                                Macros defined
------------------                                --------------
_$255$DUA28:[SYSLIB]SYSBLDMLB.MLB;1                          0
_$255$DUA28:[DCL.OBJ]DCL.MLB;1                               4
_$255$DUA28:[SYS.OBJ]LIB.MLB;1                               0
_$255$DUA28:[SYSLIB]STARLET.MLB;2                            5
TOTALS (all libraries)                                       9

282 GETS were required to define 9 macros.

There were no errors, warnings or information messages.

MACRO/LIS=LIS$:CANCEL/OBJ=OBJ$:CANCEL MSRC$:CANCEL/UPDATE=(ENH$:CANCEL)+EXECML$/LIB+LIB$:DCL/LIB+SYS$LIBRARY:SYSBLDMLB/LIB
```

INTDEF
SDL

COMMAND
LIS

DESCRVAL
LIS

CONVERT
LIS

CLIMAC
MAR

CLIMSG
LIS

CONNECT
LIS

DCLPARSE
LIS

CHARMANIP
LIS

EXAMDEP
LIS

EXIT
LIS

INTIMAGES
MAR

DCXSTART
LIS

CLIGBL
LIS

DISALLOW
LIS

CLINT
LIS

CANCEL
LIS